

GenCore version 5.1.4\_p5\_4578  
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OM protein - protein search, using sw model

Run on: April 9, 2003, 08:34:29 ; Search time 15 Seconds  
(without alignments)  
337.383 Million cell updates/sec

Title: US-09-746-919-2

Perfect score: 907

Sequence: 1 CYLSRKLMLDARENKLLDR.....TVSTTLQKRLTKMGDLNSP 172

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents\_AA.\*

- 1: /cgn2\_6/ptodata/1/iaa/5A\_COMB.pep.\*
- 2: /cgn2\_6/ptodata/1/iaa/5B\_COMB.pep.\*
- 3: /cgn2\_6/ptodata/1/iaa/6A\_COMB.pep.\*
- 4: /cgn2\_6/ptodata/1/iaa/6B\_COMB.pep.\*
- 5: /cgn2\_6/ptodata/1/iaa/PTUS\_COMB.pep.\*
- 6: /cgn2\_6/ptodata/1/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	907	100.0	172	1	US-08-438-753B-2
2	907	100.0	172	1	US-08-443-883A-2
3	907	100.0	172	2	US-08-631-328-2
4	907	100.0	172	2	US-08-455-524B-2
5	907	100.0	172	2	US-08-455-021B-2
6	907	100.0	172	4	US-09-045-467-2
7	907	100.0	172	4	US-08-954-395A-18
8	907	100.0	172	4	US-08-616-904-2
9	857.5	94.5	136	4	US-09-487-792-12
10	723	79.7	195	4	US-09-487-792-11
11	612	67.5	172	1	US-08-438-753B-4
12	612	67.5	172	1	US-08-438-753B-44
13	612	67.5	172	1	US-08-443-883A-4
14	612	67.5	172	1	US-08-443-883A-44
15	612	67.5	172	2	US-08-631-328-4
16	612	67.5	172	2	US-08-631-328-44
17	612	67.5	172	2	US-08-455-524B-4
18	612	67.5	172	2	US-08-455-524B-44
19	612	67.5	172	2	US-08-455-021B-4
20	612	67.5	172	2	US-08-455-021B-44
21	612	67.5	172	4	US-09-045-467-4
22	612	67.5	172	4	US-09-045-467-44
23	612	67.5	172	4	US-08-616-904-4
24	612	67.5	195	1	US-08-438-753B-12
25	612	67.5	195	1	US-08-443-883A-12
26	612	67.5	195	2	US-08-631-328-12
27	612	67.5	195	2	US-08-455-524B-12

28	612	67.5	195	2	US-08-455-021B-12	Sequence 12, Appl
29	612	67.5	195	4	US-09-045-467-12	Sequence 12, Appl
30	604	66.6	171	1	US-08-438-753B-30	Sequence 30, Appl
31	604	66.6	171	1	US-08-443-883A-30	Sequence 30, Appl
32	604	66.6	171	2	US-08-631-328-30	Sequence 30, Appl
33	604	66.6	171	2	US-08-455-524B-30	Sequence 30, Appl
34	604	66.6	171	2	US-08-455-021B-30	Sequence 30, Appl
35	604	66.6	171	4	US-09-045-467-30	Sequence 30, Appl
36	600.5	66.2	194	4	US-09-487-792-5	Sequence 5, Appl
37	599	66.0	172	1	US-08-438-753B-34	Sequence 34, Appl
38	599	66.0	172	1	US-08-443-883A-34	Sequence 34, Appl
39	599	66.0	172	2	US-08-631-328-34	Sequence 34, Appl
40	599	66.0	172	2	US-08-455-524B-34	Sequence 34, Appl
41	599	66.0	172	2	US-08-455-021B-34	Sequence 34, Appl
42	599	66.0	172	4	US-09-045-467-34	Sequence 34, Appl
43	599	66.0	172	4	US-08-616-904-6	Sequence 6, Appl
44	599	66.0	195	1	US-08-438-753B-32	Sequence 32, Appl
45	599	66.0	195	1	US-08-443-883A-32	Sequence 32, Appl

ALIGNMENTS

RESULT 1  
US-08-438-753B-2  
; Sequence 2, Application US/08438753B  
; Patent No. 5705363  
; GENERAL INFORMATION:  
; APPLICANT: Inakawa, Kazuhito  
; TITLE OF INVENTION: Interferon Tau Compositions and  
; NUMBER OF INVENTIONS: Methods of Use  
; NUMBER OF SEQUENCES: 44  
; CORRESPONDENCE ADDRESS:  
; ADDRESSER: Dehlinger & Associates  
; STREET: 350 Cambridge Ave., Suite 250  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94306  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/438,753B  
; FILING DATE: 10-MAY-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/139,891  
; FILING DATE: 19-OCT-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/847,741  
; FILING DATE: 09-MAR-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/318,050  
; FILING DATE: 02-MAR-1989  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/969,890  
; FILING DATE: 30-OCT-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Sholtz, Charles K.  
; REGISTRATION NUMBER: 38,615  
; REFERENCE/DOCKET NUMBER: 5600-0001.30  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-324-0880  
; TELEFAX: 415-324-0960  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 172 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein

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; ; ORIGINAL SOURCE:
; ; INDIVIDUAL ISOLATE: amino acid sequence of a mature
; ; INDIVIDUAL ISOLATE: OviFntau protein
US-08-438-7538-2

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Query Match 100.0%; Score 907; DB 1; Length 172;  
Best Local Similarity 100.0%; Pred. No. 2e-100;  
Matches 172; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 2  
US-08-443-883A-2

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; LENGTH: 172 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE: protein
; INDIVIDUAL ISOLATE: amino acid sequence of a mature
; INDIVIDUAL ISOLATE: OvIFntau protein
US-08-443-883A-2

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RESULT 3
US-08-631-320-2
; Sequence 2, Application US/08631328
; Patent No. 5939286
; GENERAL INFORMATION:
; APPLICANT: Johnson, Howard M.
; APPLICANT: Pontzer, Carol H.
; APPLICANT: Subramaniam, Prem S.
; TITLE OF INVENTION: Hybrid Interferon Compositions and
; TITLE OF INVENTION: Methods of Use
; NUMBER OF SEQUENCES: 55
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates
; STREET: 350 Cambridge Ave., Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA

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ZIF: 94306  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/443,883A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/139,891  
FILING DATE: 19-OCT-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/847,741  
FILING DATE: 09-MAR-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/318,050  
FILING DATE: 02-MAR-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/969,890  
FILING DATE: 30-OCT-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Fabian, Gary R.  
REGISTRATION NUMBER: 33,875  
REFERENCE/DOCKET NUMBER: 5600-0001.30  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-324-0880  
TELEFAX: 415-324-0960  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:

COUNTRY: USA  
 ZIP: 94306  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/631,328  
 FILING DATE: 12-APR-1996  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/438,753  
 FILING DATE: 10-MAY-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Sholtz, Charles K.  
 REGISTRATION NUMBER: 38,615  
 REFERENCE/DOCKET NUMBER: 5600-0001.34  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415-324-0880  
 TELEFAX: 415-324-0960  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 172 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 ORIGINAL SOURCE:  
 INDIVIDUAL ISOLATE: amino acid sequence of a m  
 INDIVIDUAL ISOLATE: OviEntau protein  
 15-08-631-238-2

Query Match 100.0%; Score 907; DB 2; Length 172;  
Best Local Similarity 100.0%; Pred. No. 2e-100;  
Matches 172; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 CYLSRKLMDARENKLLDRNRLSPHSCLDQKDFGLPQEMVEGDQLQKQDAFPVLYEM 60  
QY 61 LQOSNLFYTHSSAAMDITLLEQLCTGLQQLDHLDTCRGQVNGEEDSELGNMDPIVTV 120  
DB 61 LQOSNLFYTHSSAAMDITLLEQLCTGLQQLDHLDTCRGQVNGEEDSELGNMDPIVTV 120  
QY 121 KKYFGIYDYLQEKGYSDCAWEIVRVMRALTSTTLQKRLTKMGDLNSP 172  
DB 121 KKYFGIYDYLQEKGYSDCAWEIVRVMRALTSTTLQKRLTKMGDLNSP 172

RESULT 4  
US-08-455-524B-2  
; Sequence 2, Application US/0845524B  
; Patent No. 5942223  
; GENERAL INFORMATION:  
; APPLICANT: Bazer, Fuller W.  
; APPLICANT: Johnson, Howard M.  
; APPLICANT: Pontzer, Carol H.  
; APPLICANT: Ott, Troy L.  
; APPLICANT: Van Heeke, Gino  
; TITLE OF INVENTION: Interferon Tau Compositions and  
; TITLE OF INVENTION: Methods of Use  
; NUMBER OF SEQUENCES: 44  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Dehlinger & Associates  
; STREET: 350 Cambridge Ave., Suite 250  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94306  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/455,524B  
; FILING DATE: 31-MAY-1995  
; CLASSIFICATION: 435  
; APPLICATION NUMBER: US 08/438,753  
; FILING DATE: 10-MAY-1995  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/139,891  
; FILING DATE: 19-OCT-1993  
; APPLICATION NUMBER: US 07/847,741  
; FILING DATE: 09-MAR-1992  
; APPLICATION NUMBER: US 07/318,050  
; FILING DATE: 02-MAR-1989  
; APPLICATION NUMBER: US 07/969,890  
; FILING DATE: 30-OCT-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Sholtz, Charles K.  
; REGISTRATION NUMBER: 38,615  
; REFERENCE/DOCKET NUMBER: 5600-0001.32  
; TELEPHONE: 415-324-0880  
; TELEFAX: 415-324-0960  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 172 amino acids  
; TYPE: amino acid

TOPOLOGY: linear  
MOLECULE TYPE: protein  
ORIGINAL SOURCE:  
INDIVIDUAL ISOLATE: amino acid sequence of a mature  
INDIVIDUAL ISOLATE: OviFntau protein  
US-08-455-524B-2

Query Match 100.0%; Score 907; DB 2; Length 172;  
Best Local Similarity 100.0%; Pred. No. 2e-100;  
Matches 172; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CYLSRKLMDARENKLLDRNRLSPHSCLDQKDFGLPQEMVEGDQLQKQDAFPVLYEM 60  
DB 1 CYLSRKLMDARENKLLDRNRLSPHSCLDQKDFGLPQEMVEGDQLQKQDAFPVLYEM 60  
QY 61 LQOSNLFYTHSSAAMDITLLEQLCTGLQQLDHLDTCRGQVNGEEDSELGNMDPIVTV 120  
DB 61 LQOSNLFYTHSSAAMDITLLEQLCTGLQQLDHLDTCRGQVNGEEDSELGNMDPIVTV 120  
QY 121 KKYFGIYDYLQEKGYSDCAWEIVRVMRALTSTTLQKRLTKMGDLNSP 172  
DB 121 KKYFGIYDYLQEKGYSDCAWEIVRVMRALTSTTLQKRLTKMGDLNSP 172

RESULT 5  
US-08-455-021B-2  
; Sequence 2, Application US/08455021B  
; GENERAL INFORMATION:  
; APPLICANT: Bazer, Fuller W.  
; APPLICANT: Johnson, Howard M.  
; APPLICANT: Pontzer, Carol H.  
; APPLICANT: Ott, Troy L.  
; APPLICANT: Van Heeke, Gino  
; APPLICANT: Imakawa, Kazuhito  
; TITLE OF INVENTION: Interferon Tau Compositions and  
; TITLE OF INVENTION: Methods of Use  
; NUMBER OF SEQUENCES: 44  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Dehlinger & Associates  
; STREET: 350 Cambridge Ave., Suite 250  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94306  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/455,021B  
; FILING DATE: 31-MAY-1995  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/139,891  
; FILING DATE: 19-OCT-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/847,741  
; FILING DATE: 09-MAR-1992  
; APPLICATION NUMBER: US 07/318,050  
; FILING DATE: 02-MAR-1989  
; APPLICATION NUMBER: US 07/969,890  
; FILING DATE: 30-OCT-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Sholtz, Charles K.  
; REGISTRATION NUMBER: 38,615  
; REFERENCE/DOCKET NUMBER: 5600-0001.31  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-324-0880  
; TELEFAX: 415-324-0960  
; INFORMATION FOR SEQ ID NO: 2:

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; SEQUENCE CHARACTERISTICS:
; LENGTH: 172 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: amino acid sequence of a mature
; INDIVIDUAL ISOLATE: OVIFNTau protein
US-08-455-021B-2

Query Match 100.0%; Score 907; DB 2; Length 172;
Best Local Similarity 100.0%; Pred. No. 2e-100;
Matches 172; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CYLSRKMLDARENKLLDRNRLSPHSCLDQRKDFGLPQEMVGGDLQKQDQAFPPVLYEM 60
DB 1 CYLSRKMLDARENKLLDRNRLSPHSCLDQRKDFGLPQEMVGGDLQKQDQAFPPVLYEM 60
QY 61 LQOSFNLFYTHSSAANDTTLLLEQLCTGLQQLDHLDTCRGVNMGEDSELGNMDDPIVTV 120
DB 61 LQOSFNLFYTHSSAANDTTLLLEQLCTGLQQLDHLDTCRGVNMGEDSELGNMDDPIVTV 120
QY 121 KKYFGIYDYLOEKGYSDCAWEIVRVEMMRALTVSTTLQKRLTKMGDLNSP 172
DB 121 KKYFGIYDYLOEKGYSDCAWEIVRVEMMRALTVSTTLQKRLTKMGDLNSP 172

RESULT 6
US-09-045-467-2
; Sequence 2, Application US/09045467
; GENERAL INFORMATION:
; APPLICANT: Johnson, Howard M.
; TITLE OF INVENTION: Interferon Tau Compositions and
; Methods of Use
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates
; STREET: 350 Cambridge Ave., Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/045,467
; FILING DATE: 20-Mar-1998
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/455,021
; FILING DATE: 31-MAY-1995
; APPLICATION NUMBER: US 08/438,753
; FILING DATE: 10-MAY-1995
; APPLICATION NUMBER: US 08/139,891
; FILING DATE: 19-OCT-1993
; APPLICATION NUMBER: US 07/847,741
; FILING DATE: 09-MAR-1992
; APPLICATION NUMBER: US 07/318,050
; FILING DATE: 02-MAR-1989
; APPLICATION NUMBER: US 07/969,890
; FILING DATE: 30-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Dehlinger, Peter J.
; REGISTRATION NUMBER: 28,006
; REFERENCE/DOCKET NUMBER: 5600-0001.36
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-324-0880
; TELEFAX: 650-324-0960
; INFORMATION FOR SEQ ID NO: 2:
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; SEQUENCE CHARACTERISTICS:
; LENGTH: 172 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: amino acid sequence of a mature
; INDIVIDUAL ISOLATE: OVIFNTau protein
US-09-045-467-2

Query Match 100.0%; Score 907; DB 4; Length 172;
Best Local Similarity 100.0%; Pred. No. 2e-100;
Matches 172; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CYLSRKMLDARENKLLDRNRLSPHSCLDQRKDFGLPQEMVGGDLQKQDQAFPPVLYEM 60
DB 1 CYLSRKMLDARENKLLDRNRLSPHSCLDQRKDFGLPQEMVGGDLQKQDQAFPPVLYEM 60
QY 61 LQOSFNLFYTHSSAANDTTLLLEQLCTGLQQLDHLDTCRGVNMGEDSELGNMDDPIVTV 120
DB 61 LQOSFNLFYTHSSAANDTTLLLEQLCTGLQQLDHLDTCRGVNMGEDSELGNMDDPIVTV 120
QY 121 KKYFGIYDYLOEKGYSDCAWEIVRVEMMRALTVSTTLQKRLTKMGDLNSP 172
DB 121 KKYFGIYDYLOEKGYSDCAWEIVRVEMMRALTVSTTLQKRLTKMGDLNSP 172

RESULT 7
US-08-954-395A-18
; Sequence 18, Application US/08954395A
; Patent No. 6204022
; GENERAL INFORMATION:
; APPLICANT: Johnson, Howard M.
; APPLICANT: Subramaniam, Prem S.
; APPLICANT: Pontzer, Carol H.
; APPLICANT: Villarete, Lorelie H.
; APPLICANT: Campos, Jackeline
; APPLICANT: Chung, Albert D.
; APPLICANT: Li, Wayne W.
; APPLICANT: Liu, Philip T.
; TITLE OF INVENTION: LOW-TOXICITY HUMAN INTERFERON-ALPHA
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates LLP
; STREET: 350 Cambridge Ave., Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/954,395A
; FILING DATE: Filed Herewith
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/631,328
; FILING DATE: 12-APR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Dehlinger, Peter J.
; REGISTRATION NUMBER: 27008
; REFERENCE/DOCKET NUMBER: 5600-0001.35
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-324-0880
; TELEFAX: 650-324-0960
; TELEX:
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
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LENGTH: 172 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
LIBRARY: GenBank Accessn. Y00287, PID g1358  
CLONE: Ovine IFN-tau, mature protein  
US-08-954-395A-18

Query Match 100.0%; Score 907; DB 4; Length 172;  
Best Local Similarity 100.0%; Pred. No. 2e-100;  
Matches 172; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 CYLSRKLMLDARENKLLDRNRLSPHSCLODRKDFGLPQEMVEGDLQKQDQAPFVLYEM 60  
DB 1 CYLSRKLMLDARENKLLDRNRLSPHSCLODRKDFGLPQEMVEGDLQKQDQAPFVLYEM 60  
QY 61 LQOSFNLFYTEHSSAAWDTLLLEQLCTGLQOQLDHLDTCRGQVMEGDESELGNMDDPIVTV 120  
DB 61 LQOSFNLFYTEHSSAAWDTLLLEQLCTGLQOQLDHLDTCRGQVMEGDESELGNMDDPIVTV 120  
QY 121 KKYFGIYDYLQEKGYSDCAWEIVRVMRALTVTSTLQKRLTKMGDLNSP 172  
DB 121 KKYFGIYDYLQEKGYSDCAWEIVRVMRALTVTSTLQKRLTKMGDLNSP 172

RESULT 8  
US-08-616-904-2  
Sequence 2, Application US/08616904  
Patent No. 6372206  
GENERAL INFORMATION:  
APPLICANT: Soos, Jeanne M.  
APPLICANT: Schiftenbauer, Joel  
APPLICANT: Johnson, Howard M.  
TITLE OF INVENTION: Orally-Administered Interferon-Tau  
TITLE OF INVENTION: Compositions and Methods  
NUMBER OF SEQUENCES: 6  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Dehlinger & Associates  
STREET: 350 Cambridge Ave., Suite 250  
CITY: Palo Alto  
STATE: CA  
COUNTRY: USA  
ZIP: 94306  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/616.904  
FILING DATE: 15-MAR-1996  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Sholtz, Charles K.  
REGISTRATION NUMBER: 38,615  
REFERENCE/DOCKET NUMBER: 5600-0003  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-324-0880  
TELEFAX: 415-324-0960  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 172 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
ORIGINAL SOURCE:  
INDIVIDUAL ISOLATE: amino acid sequence of a mature  
INDIVIDUAL ISOLATE: OviFNtau protein  
US-08-616-904-2

Query Match 100.0%; Score 907; DB 4; Length 172;

Best Local Similarity 100.0%; Pred. No. 2e-100;  
Matches 172; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 CYLSRKLMLDARENKLLDRNRLSPHSCLODRKDFGLPQEMVEGDLQKQDQAPFVLYEM 60  
DB 1 CYLSRKLMLDARENKLLDRNRLSPHSCLODRKDFGLPQEMVEGDLQKQDQAPFVLYEM 60  
QY 61 LQOSFNLFYTEHSSAAWDTLLLEQLCTGLQOQLDHLDTCRGQVMEGDESELGNMDDPIVTV 120  
DB 61 LQOSFNLFYTEHSSAAWDTLLLEQLCTGLQOQLDHLDTCRGQVMEGDESELGNMDDPIVTV 120  
QY 121 KKYFGIYDYLQEKGYSDCAWEIVRVMRALTVTSTLQKRLTKMGDLNSP 172  
DB 121 KKYFGIYDYLQEKGYSDCAWEIVRVMRALTVTSTLQKRLTKMGDLNSP 172

RESULT 9  
US-09-487-792-12  
Sequence 12, Application US/09487792  
Patent No. 6433145  
GENERAL INFORMATION:  
APPLICANT: Human Genome Sciences, Inc.  
TITLE OF INVENTION: Keratinocyte Derived Interferon  
FILE REFERENCE: PF4822P1  
CURRENT APPLICATION NUMBER: US/09/487,792  
CURRENT FILING DATE: 2000-01-20  
EARLIER APPLICATION NUMBER: 60/093,643  
EARLIER FILING DATE: 1998-07-21  
EARLIER APPLICATION NUMBER: PCT/US99/16424  
EARLIER FILING DATE: 1999-07-21  
NUMBER OF SEQ ID NOS: 54  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 12  
LENGTH: 196  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-487-792-12

Query Match 94.5%; Score 857.5; DB 4; Length 196;  
Best Local Similarity 94.8%; Pred. No. 1.9e-94;  
Matches 164; Conservative 6; Mismatches 2; Indels 1; Gaps 1;  
QY 1 CYLSRKLMLDARENKLLDRNRLSPHSCLODRKDFGLPQEMVEGDLQKQDQAPFVLYEM 60  
DB 24 CYLSRKLMLDARENKLLDRNRLSPHSCLODRKDFGLPQEMVEGDLQKQDQAPFVLYEM 83  
QY 61 LQOSFNLFYTEHSSAAWDTLLLEQLCTGLQOQLDHLDT-CRGQVMEGDESELGNMDDPIVTV 119  
DB 84 LQOTFNLFYTEHSSAAWDTLLLEQLCTGLQOQLDHLDT-CRGQVMEGDESELGNMDDPIVTV 143  
QY 120 VKKYFGIYDYLQEKGYSDCAWEIVRVMRALTVTSTLQKRLTKMGDLNSP 172  
DB 144 VKKYFGIYDYLQEKGYSDCAWEIVRVMRALTVTSTLQKRLTKMGDLNSP 196

RESULT 10  
US-09-487-792-11  
Sequence 11, Application US/09487792  
Patent No. 6433145  
GENERAL INFORMATION:  
APPLICANT: Human Genome Sciences, Inc.  
TITLE OF INVENTION: Keratinocyte Derived Interferon  
FILE REFERENCE: PF4822P1  
CURRENT APPLICATION NUMBER: US/09/487,792  
CURRENT FILING DATE: 2000-01-20  
EARLIER APPLICATION NUMBER: 60/093,643  
EARLIER FILING DATE: 1998-07-21  
EARLIER APPLICATION NUMBER: PCT/US99/16424  
EARLIER FILING DATE: 1999-07-21  
NUMBER OF SEQ ID NOS: 54  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 11  
LENGTH: 195

TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-487-792-11

Query Match 79.7%; Score 723; DB 4; Length 195;  
Best Local Similarity 80.7%; Pred. No. 2.1e-78;

Matches 138; Conservative 14; Mismatches 19; Indels 0; Gaps 0;

QY 1 CYLSRKLMLDARENKLLDRNRLSPHSCLODRKDFGLPQEWVEGDLQKQDQAFVLYEM 60  
DB 24 CYLSEHMLGARENRLRLARNRLSPHPCLODRKDFGLPQEWVEGDLQKQDQAFVLYEM 83  
QY 61 LQOSFNLYTEHSSAAWDTLLLEQLCTGLQQLDHLDTCRQVWGEDESELGNMDPIVTV 120  
DB 84 LQOCFNLYTEHSSAAWNTLLLEQLCTGLQQLDHLDTCRQVWGEDESELGNMDPIVTV 143  
QY 121 KRYFOGIYDIYQEKGYSDCAWEIVRVMRALTIVSTTLQKRLTKMGGDLNS 171  
DB 144 KRYFOGIHVYLKEKGYSDCAWEIVRVMRALTIVSTTLQKRLTKMGGDLNS 194

## RESULT 11

US-08-438-753B-4

Sequence 4, Application US/08438753B

Patent No. 5705363

GENERAL INFORMATION:

APPLICANT: Imakawa, Kazuhito

TITLE OF INVENTION: Interferon Tau Compositions and

METHODS OF USE

NUMBER OF SEQUENCES: 44

CORRESPONDENCE ADDRESS:

ADDRESSEE: Dehlinger & Associates

STREET: 350 Cambridge Ave., Suite 250

CITY: Palo Alto

STATE: CA

COUNTRY: USA

ZIP: 94306

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/438,753B

FILING DATE: 10-MAY-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/139,891

FILING DATE: 19-OCT-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/847,741

FILING DATE: 09-MAR-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/318,050

FILING DATE: 02-MAR-1989

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/969,890

FILING DATE: 30-OCT-1992

ATTORNEY/AGENT INFORMATION:

NAME: Sholtz, Charles K.

REGISTRATION NUMBER: 38,615

REFERENCE/DOCKET NUMBER: 5600-0001.30

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415-324-0880

TELEFAX: 415-324-0960

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 172 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

ORIGINAL SOURCE:

INDIVIDUAL ISOLATE: amino acid sequence for a mature  
INDIVIDUAL ISOLATE: HuIFNTau protein, HuIFNTaul.

US-08-438-753B-4

Query Match

Best Local Similarity 69.2%; Score 612; DB 1; Length 172;

Matches 119; Conservative 20; Mismatches 33; Indels 0; Gaps 0;

QY 1 CYLSRKLMLDARENKLLDRNRLSPHSCLODRKDFGLPQEWVEGDLQKQDQAFVLYEM 60  
DB 1 CDLSQNVILVGRNRLRLDNRRLSPRFCLQDRKDFGLPQEWVEGDLQKQDQAFVLYEM 60  
QY 61 LQOSFNLYTEHSSAAWDTLLLEQLCTGLQQLDHLDTCRQVWGEDESELGNMDPIVTV 120  
DB 61 LQOSFNLYTEHSSAAWDTLLLEQLCTGLQQLDHLDTCRQVWGEDESELGNMDPIVTV 120  
QY 121 KRYFOGIYDIYQEKGYSDCAWEIVRVMRALTIVSTTLQKRLTKMGGDLNSP 172  
DB 121 KRYFOGIHVYLKEKGYSDCAWEIVRVMRALTIVSTTLQKRLTKMGGDLNSP 172

## RESULT 12

US-08-438-753B-44

Sequence 44, Application US/08438753B

Patent No. 5705363

GENERAL INFORMATION:

APPLICANT: Imakawa, Kazuhito

TITLE OF INVENTION: Interferon Tau Compositions and

METHODS OF USE

NUMBER OF SEQUENCES: 44

CORRESPONDENCE ADDRESS:

ADDRESSEE: Dehlinger & Associates

STREET: 350 Cambridge Ave., Suite 250

CITY: Palo Alto

STATE: CA

COUNTRY: USA

ZIP: 94306

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/438,753B

FILING DATE: 10-MAY-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/139,891

FILING DATE: 19-OCT-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/847,741

FILING DATE: 09-MAR-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/318,050

FILING DATE: 02-MAR-1989

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/969,890

FILING DATE: 30-OCT-1992

ATTORNEY/AGENT INFORMATION:

NAME: Sholtz, Charles K.

REGISTRATION NUMBER: 38,615

REFERENCE/DOCKET NUMBER: 5600-0001.30

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415-324-0880

TELEFAX: 415-324-0960

INFORMATION FOR SEQ ID NO: 44:

SEQUENCE CHARACTERISTICS:

LENGTH: 172 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-438-753B-44

```
Query Match 67.5%; Score 612; DB 1; Length 172;
Best Local Similarity 69.2%; Pred. No. 3.1e-65;
Matches 119; Conservative 20; Mismatches 33; Indels 0; Gaps 0;

QY 1 CYLSRKLMDARENLKLLDRMRLSPHSCLODRKDFGLPQEMVEGGDQLQKDAQFPVLYEM 60
DB 1 CDLSQNHVLRGKRLRLDDEMRLSPRFLQDRKDFALPQEMVEGGQLQQAISVLHEM 60
QY 61 LQSQFNLFYTEHSSAAWDTLLLEQLCTGLQQLDHLDTCRGQVMEGDESELGNMDFIVTV 120
DB 61 LQSQFNLFYTEHSSAAWDTLLLEQLCTGLQQLDHLDTCRGQVMEGDESELGNMDFIVTV 120
QY 121 KRYFGIYDLQEKYSDCAWEIVRVMRALTVTSTLQKRLTKMGCDLNSP 172
DB 121 KRYFGIYDLQEKYSDCAWEIVRVMRALTVTSTLQKRLTKMGCDLNSP 172

RESULT 13
US-08-443-883A-4
; Sequence 4, Application US/08443883A
; Patent No. 5738845
; GENERAL INFORMATION:
; APPLICANT: Bazer, Fuller W.
; APPLICANT: Johnson, Howard M.
; APPLICANT: Pontzer, Carol H.
; APPLICANT: Ott, Troy L.
; APPLICANT: Van Heeke, Gino
; APPLICANT: Imakawa, Kazuhito
; TITLE OF INVENTION: Interferon Tau Compositions and
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates
; STREET: 350 Cambridge Ave., Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/443,883A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/139,891
; FILING DATE: 19-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/847,741
; FILING DATE: 09-MAR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/318,050
; FILING DATE: 02-MAR-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/969,890
; FILING DATE: 30-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Fabian, Gary R.
; REGISTRATION NUMBER: 33,875
; REFERENCE/DOCKET NUMBER: 5600-0001.30
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-324-0880
; TELEFAX: 415-324-0960
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 172 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein

Query Match 67.5%; Score 612; DB 1; Length 172;
Best Local Similarity 69.2%; Pred. No. 3.1e-65;
Matches 119; Conservative 20; Mismatches 33; Indels 0; Gaps 0;

QY 1 CYLSRKLMDARENLKLLDRMRLSPHSCLODRKDFGLPQEMVEGGDQLQKDAQFPVLYEM 60
DB 1 CDLSQNHVLRGKRLRLDDEMRLSPRFLQDRKDFALPQEMVEGGQLQQAISVLHEM 60
QY 61 LQSQFNLFYTEHSSAAWDTLLLEQLCTGLQQLDHLDTCRGQVMEGDESELGNMDFIVTV 120
DB 61 LQSQFNLFYTEHSSAAWDTLLLEQLCTGLQQLDHLDTCRGQVMEGDESELGNMDFIVTV 120
QY 121 KRYFGIYDLQEKYSDCAWEIVRVMRALTVTSTLQKRLTKMGCDLNSP 172
DB 121 KRYFGIYDLQEKYSDCAWEIVRVMRALTVTSTLQKRLTKMGCDLNSP 172

RESULT 14
US-08-443-883A-44
; Sequence 44, Application US/08443883A
; Patent No. 5738845
; GENERAL INFORMATION:
; APPLICANT: Bazer, Fuller W.
; APPLICANT: Johnson, Howard M.
; APPLICANT: Pontzer, Carol H.
; APPLICANT: Ott, Troy L.
; APPLICANT: Van Heeke, Gino
; APPLICANT: Imakawa, Kazuhito
; TITLE OF INVENTION: Interferon Tau Compositions and
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates
; STREET: 350 Cambridge Ave., Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/443,883A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/139,891
; FILING DATE: 19-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/847,741
; FILING DATE: 09-MAR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/318,050
; FILING DATE: 02-MAR-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/969,890
; FILING DATE: 30-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Fabian, Gary R.
; REGISTRATION NUMBER: 33,875
; REFERENCE/DOCKET NUMBER: 5600-0001.30
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-324-0880
; TELEFAX: 415-324-0960
; INFORMATION FOR SEQ ID NO: 44:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 172 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
```

LENGTH: 172 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-443-883A-44

Query Match 67.5%; Score 612; DB 1; Length 172;  
 Best Local Similarity 69.2%; Pred. No. 3.le-65;  
 Matches 119; Conservative 20; Mismatches 33; Indels 0; Gaps 0;  
 QY 1 CYLSRKLMLDARENKLLDRNRRLSPHSCLOQRKDFGLPQEMVEGDQLOKQDQAFPPVLYEM 60  
 Db 1 CDLSQNHVLYGRKNRLLEDNRRLSPRFLQDRKDFALPQEMVEGGQLQEAQAISVLHEM 60  
 QY 61 LQOSFNLFFYTEHSSAAWDTTLLLEQLCTGLQOQLDHLDTFCRGQVNGEEDSELGNMDPIVTV 120  
 Db 61 LQOSFNLFFTEHSSAAWDTTLLLEQLRTGLHQQLDNLDAQLGQVNGEEDSALRGTPTLAL 120  
 QY 121 KRYFOGIYDYLQEKGYSDCAWEIVRVEMMRALTVTTLQKRLTKMGDLNSP 172  
 Db 121 KRYFOGIHVLKGYSDCAWETVRLEIMRSFSLISLQERLRMMDGLSSP 172

## RESULT 15

US-08-631-328-4  
 ; Sequence 4, Application US/08631328  
 ; Patent No. 5939286

## GENERAL INFORMATION:

APPLICANT: Johnson, Howard M.  
 APPLICANT: Pontzer, Carol H.  
 APPLICANT: Subramaniam, Prem S.  
 TITLE OF INVENTION: Hybrid Interferon Compositions and  
 TITLE OF INVENTION: Methods of Use  
 NUMBER OF SEQUENCES: 55

## CORRESPONDENCE ADDRESS:

ADDRESSEE: Dehlinger & Associates  
 STREET: 350 Cambridge Ave., Suite 250  
 CITY: Palo Alto  
 STATE: CA  
 COUNTRY: USA  
 ZIP: 94306

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.25

## CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/631,328  
 FILING DATE: 12-APR-1996

## CLASSIFICATION: 435

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/438,753

## FILING DATE: 10-MAY-1995

## ATTORNEY/AGENT INFORMATION:

NAME: Sholtz, Charles K.

REGISTRATION NUMBER: 38,615

REFERENCE/DOCKET NUMBER: 5600-0001.34

## TELECOMMUNICATION INFORMATION:

TELEPHONE: 415-324-0880

TELEFAX: 415-324-0960

INFORMATION FOR SEQ ID NO: 4:

## SEQUENCE CHARACTERISTICS:

LENGTH: 172 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

ORIGINAL SOURCE:

INDIVIDUAL ISOLATE: amino acid sequence for a mature

INDIVIDUAL ISOLATE: HuIFNtau protein, HuIFNtau1.

US-08-631-328-4

Query Match 67.5%; Score 612; DB 2; Length 172;

Best Local Similarity 69.2%; Pred. No. 3.le-65;  
 Matches 119; Conservative 20; Mismatches 33; Indels 0; Gaps 0;  
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 Db 1 CDLSQNHVLYGRKNRLLEDNRRLSPRFLQDRKDFALPQEMVEGGQLQEAQAISVLHEM 60  
 QY 61 LQOSFNLFFYTEHSSAAWDTTLLLEQLCTGLQOQLDHLDTFCRGQVNGEEDSELGNMDPIVTV 120  
 Db 61 LQOSFNLFFTEHSSAAWDTTLLLEQLRTGLHQQLDNLDAQLGQVNGEEDSALRGTPTLAL 120  
 QY 121 KRYFOGIYDYLQEKGYSDCAWEIVRVEMMRALTVTTLQKRLTKMGDLNSP 172  
 Db 121 KRYFOGIHVLKGYSDCAWETVRLEIMRSFSLISLQERLRMMDGLSSP 172

Search completed: April 9, 2003, 09:03:46  
 Job time : 16 secs



GenCore version 5.1.4\_p5-4578  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: April 9, 2003, 08:57:31 ; Search time 17 Seconds  
(without alignments)  
618.553 Million cell updates/sec

Title: US-09-746-919-2  
Perfect score: 907  
Sequence: 1 CYLSRKLMDARENLKLLDR.....TVSTTLQKRLTKMGDLNSP 172

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 248812 seqs, 61136040 residues

Total number of hits satisfying chosen parameters: 248812

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA:\*

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2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*  
4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep.\*  
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14: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	907	100.0	172	9 US-10-029-890-2	Sequence 2, Appl
2	907	100.0	172	9 US-09-910-406C-2	Sequence 2, Appl
3	907	100.0	172	10 US-09-746-919-2	Sequence 2, Appl
4	899	99.1	172	9 US-09-910-406C-4	Sequence 4, Appl
5	612	67.5	172	9 US-10-029-890-4	Sequence 4, Appl
6	612	67.5	172	10 US-09-746-919-4	Sequence 4, Appl
7	612	67.5	172	10 US-09-746-919-44	Sequence 44, Appl
8	612	67.5	195	10 US-09-746-919-12	Sequence 12, Appl
9	609	67.1	172	10 US-09-977-034-20	Sequence 20, Appl
10	604	66.6	171	10 US-09-746-919-30	Sequence 30, Appl
11	599	66.0	172	9 US-10-029-890-6	Sequence 6, Appl
12	599	66.0	172	10 US-09-746-919-34	Sequence 34, Appl
13	599	66.0	195	10 US-09-746-919-32	Sequence 32, Appl
14	473	52.1	172	10 US-09-977-034-21	Sequence 21, Appl
15	473	52.1	195	9 US-09-919-622A-8	Sequence 8, Appl
16	454	50.1	166	9 US-09-954-692-76	Sequence 76, Appl
17	454	50.1	166	10 US-09-559-671A-76	Sequence 76, Appl
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166 10 US-09-559-671A-79  
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166 10 US-09-977-034-19  
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166 10 US-09-559-671A-84  
166 9 US-09-954-692-81  
166 10 US-09-559-671A-81

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405 44.7

#### ALIGNMENTS

RESULT 1  
US-10-029-890-2  
Sequence 2, Application US/10029890  
Publication No. US20030012766A1  
GENERAL INFORMATION:

APPLICANT: Soos, Jeanne M.  
Schiffenbauer, Joel  
Johnson, Howard M.

TITLE OF INVENTION: Orally-Administered Interferon-Tau  
Compositions and Methods

NUMBER OF SEQUENCES: 6

CORRESPONDENCE ADDRESS:

ADDRESSEE: Dehlinger & Associates  
STREET: 350 Cambridge Ave., Suite 250  
CITY: Palo Alto  
STATE: CA  
COUNTRY: USA  
ZIP: 94306

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION NUMBER: US/10/029,890

APPLICATION NUMBER: US/10/029,890

FILING DATE: 21-Dec-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/616,904

FILING DATE: 15-MAR-1996

ATTORNEY/AGENT INFORMATION:

NAME: Sholtz, Charles K.

REGISTRATION NUMBER: 38,615

REFERENCE/DOCKET NUMBER: 5600-0003

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415-324-0880

TELEFAX: 415-324-0960

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 172 amino acids

TYPE: amino acid

TOPOLOGY: linear

```

; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: amino acid sequence of a mature
; OVIENtau protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-029-890-2

Query Match 100.0%; Score 907; DB 9; Length 172;
Best Local Similarity 100.0%; Pred. No. 6.5e-89;
Matches 172; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CYLSRKLMDARENLKLLDRMNRSLPHSCLODRKDFGLPQEMVEGDQLQKQDAFPVLYEM 60
Db 1 CYLSRKLMDARENLKLLDRMNRSLPHSCLODRKDFGLPQEMVEGDQLQKQDAFPVLYEM 60
Qy 61 LQOSFNLFTYHSSAANDTTLLEQLCTGLQQLDHLDTCRQVNGEDSELGNMDPIVTV 120
Db 61 LQOSFNLFTYHSSAANDTTLLEQLCTGLQQLDHLDTCRQVNGEDSELGNMDPIVTV 120
Qy 121 KKYFGIYDYLQEGYSDCAWEIVRVMEMRALTVSTTLQKRLTKMGDLNSP 172
Db 121 KKYFGIYDYLQEGYSDCAWEIVRVMEMRALTVSTTLQKRLTKMGDLNSP 172

RESULT 2
US-09-910-406C-2
; Sequence 2, Application US/09910406C
; Publication No. US20030049277A1
; GENERAL INFORMATION:
; APPLICANT: Sokawa, Yoshiro
; APPLICANT: Liu, Chih-Ping
; TITLE OF INVENTION: Composition for Treatment of and Method
; of Monitoring Hepatitis C Virus Using Interferon-tau
; FILE REFERENCE: 5600-0004.30
; CURRENT FILING DATE: 2002-07-02
; PRIOR APPLICATION NUMBER: US/09/910,406C
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: JP 317160
; PRIOR FILING DATE: 2000-07-19
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 172
; TYPE: PRT
; ORGANISM: Ovis Aries
US-09-910-406C-2

Query Match 100.0%; Score 907; DB 9; Length 172;
Best Local Similarity 100.0%; Pred. No. 6.5e-89;
Matches 172; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CYLSRKLMDARENLKLLDRMNRSLPHSCLODRKDFGLPQEMVEGDQLQKQDAFPVLYEM 60
Db 1 CYLSRKLMDARENLKLLDRMNRSLPHSCLODRKDFGLPQEMVEGDQLQKQDAFPVLYEM 60
Qy 61 LQOSFNLFTYHSSAANDTTLLEQLCTGLQQLDHLDTCRQVNGEDSELGNMDPIVTV 120
Db 61 LQOSFNLFTYHSSAANDTTLLEQLCTGLQQLDHLDTCRQVNGEDSELGNMDPIVTV 120
Qy 121 KKYFGIYDYLQEGYSDCAWEIVRVMEMRALTVSTTLQKRLTKMGDLNSP 172
Db 121 KKYFGIYDYLQEGYSDCAWEIVRVMEMRALTVSTTLQKRLTKMGDLNSP 172

RESULT 3
US-09-746-919-2
; Sequence 2, Application US/09746919
; Patent No. US20020013452A1
; GENERAL INFORMATION:
; APPLICANT: Johnson, Howard M.
; APPLICANT: Pontzer, Carol H.
; TITLE OF INVENTION: Interferon Tau Compositions and
```

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; TITLE OF INVENTION: Methods of Use
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates
; STREET: 350 Cambridge Ave., Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/746,919
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/045,467
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/438,753
; FILING DATE: 10-MAY-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/139,891
; FILING DATE: 19-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/847,741
; FILING DATE: 09-MAR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/318,050
; FILING DATE: 02-MAR-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/969,890
; FILING DATE: 30-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Dehlinger, Peter J.
; REGISTRATION NUMBER: 28,006
; REFERENCE/DOCKET NUMBER: 5600-0001.36
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-324-0880
; TELEFAX: 650-324-0960
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 172 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: amino acid sequence of a mature
; INDIVIDUAL ISOLATE: OVIENtau protein
US-09-746-919-2

Query Match 100.0%; Score 907; DB 10; Length 172;
Best Local Similarity 100.0%; Pred. No. 6.5e-89;
Matches 172; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CYLSRKLMDARENLKLLDRMNRSLPHSCLODRKDFGLPQEMVEGDQLQKQDAFPVLYEM 60
Db 1 CYLSRKLMDARENLKLLDRMNRSLPHSCLODRKDFGLPQEMVEGDQLQKQDAFPVLYEM 60
Qy 61 LQOSFNLFTYHSSAANDTTLLEQLCTGLQQLDHLDTCRQVNGEDSELGNMDPIVTV 120
Db 61 LQOSFNLFTYHSSAANDTTLLEQLCTGLQQLDHLDTCRQVNGEDSELGNMDPIVTV 120
Qy 121 KKYFGIYDYLQEGYSDCAWEIVRVMEMRALTVSTTLQKRLTKMGDLNSP 172
Db 121 KKYFGIYDYLQEGYSDCAWEIVRVMEMRALTVSTTLQKRLTKMGDLNSP 172

RESULT 4
US-09-910-406C-4
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TELEFAX: 650-324-0960  
INFORMATION FOR SEQ ID NO: 34:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 172 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-746-919-34

Query Match 66.0%; Score 599; DB 10; Length 172;  
Best Local Similarity 68.6%; Pred. No. 3.6e-56;  
Matches 118; Conservative 19; Mismatches 35; Indels 0; Gaps 0;  
QY 1 CYLSRKLMLDARENLKLLDRMNRSLPHSCLDQDRKDFGLPQEMVEGDLQKQDQAPFVLYEM 60  
DB 1 CDLSQNHVLVGSQNLRLGQMRLSLRFLCLQDRKDFAPQEMVEGGQLQEAQAISVLHEM 60  
QY 61 LQOSFNLFYTHSSAAWDTTLLLEQLCTGLQOQLDHLDTCRGOVNGEEDSELGNMDPIVTV 120  
DB 61 LQOSFNLFYTHSSAAWDTTLLLEQLCTGLHQQDDLDLQACLGQVTGEEDSALGRGTPTLAM 120  
QY 121 KRYFGIYDYLOEKGYSDCAWEIVRVMEMRALTVSTTLQKRLTKMGDLNSP 172  
DB 121 KRYFGIHYLVKEKGYSDCAWEIVRLEIMRSLSSSTSLHKLRLMMDGLSSP 172

## RESULT 13

US-09-746-919-32  
Sequence 32, Application US/09746919  
Patent No. US20020013452A1  
GENERAL INFORMATION:  
APPLICANT: Johnson, Howard M.  
APPLICANT: Pontzer, Carol H.  
TITLE OF INVENTION: Interferon Tau Compositions and  
TITLE OF INVENTION: Methods of Use  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Dehlinger & Associates  
STREET: 350 Cambridge Ave., Suite 250  
CITY: Palo Alto  
STATE: CA  
COUNTRY: USA  
ZIP: 94306  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/097746,919  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/045,467  
FILING DATE:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/438,753  
FILING DATE: 10-MAY-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/139,891  
FILING DATE: 19-OCT-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/847,741  
FILING DATE: 09-MAR-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/318,050  
FILING DATE: 02-MAR-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/969,890  
FILING DATE: 30-OCT-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Dehlinger, Peter J.  
REGISTRATION NUMBER: 28,006

REFERENCE/DOCKET NUMBER: 5600-0001.36  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 650-324-0880  
TELEFAX: 650-324-0960  
INFORMATION FOR SEQ ID NO: 32:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 195 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
ORIGINAL SOURCE:  
INDIVIDUAL ISOLATE: predicted amino acid coding sequence  
INDIVIDUAL ISOLATE: of SEQ ID NO:31 (HuIFNtau3)  
US-09-746-919-32

Query Match 66.0%; Score 599; DB 10; Length 195;  
Best Local Similarity 68.6%; Pred. No. 4.3e-56;  
Matches 118; Conservative 19; Mismatches 35; Indels 0; Gaps 0;  
QY 1 CYLSRKLMLDARENLKLLDRMNRSLPHSCLDQDRKDFGLPQEMVEGDLQKQDQAPFVLYEM 60  
DB 24 CDLSQNHVLVGSQNLRLGQMRLSLRFLCLQDRKDFAPQEMVEGGQLQEAQAISVLHEM 83  
QY 61 LQOSFNLFYTHSSAAWDTTLLLEQLCTGLQOQLDHLDTCRGOVNGEEDSELGNMDPIVTV 120  
DB 84 LQOSFNLFYTHSSAAWDTTLLLEQLCTGLHQQDDLDLQACLGQVTGEEDSALGRGTPTLAM 143  
QY 121 KRYFGIYDYLOEKGYSDCAWEIVRVMEMRALTVSTTLQKRLTKMGDLNSP 172  
DB 144 KRYFGIHYLVKEKGYSDCAWEIVRLEIMRSLSSSTSLHKLRLMMDGLSSP 195

## RESULT 14

US-09-977-034-21  
Sequence 21, Application US/09977034  
Patent No. US20020081664A1  
GENERAL INFORMATION:  
APPLICANT: Lo, Kin-Ming  
APPLICANT: Sun, Yaping  
APPLICANT: Gillies, Stephen D.  
TITLE OF INVENTION: Expression and Export of Interferon-Alpha Proteins as  
TITLE OF INVENTION: Fc Fusion Proteins  
FILE REFERENCE: LEX-009  
CURRENT APPLICATION NUMBER: US/09/977,034  
CURRENT FILING DATE: 2001-10-11  
PRIOR APPLICATION NUMBER: US/09/575,503  
PRIOR FILING DATE: 2000-05-19  
PRIOR APPLICATION NUMBER: US 60/134,895  
PRIOR FILING DATE: 1999-05-19  
NUMBER OF SEQ ID NOS: 29  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 21  
LENGTH: 172  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
OTHER INFORMATION: Human IFN omega-1 protein  
US-09-977-034-21

Query Match 52.1%; Score 473; DB 10; Length 172;  
Best Local Similarity 55.6%; Pred. No. 8.9e-43;  
Matches 95; Conservative 28; Mismatches 48; Indels 0; Gaps 0;  
QY 1 CYLSRKLMLDARENLKLLDRMNRSLPHSCLDQDRKDFGLPQEMVEGDLQKQDQAPFVLYEM 60  
DB 1 CDLSQNHVLVGSQNLRLGQMRLSLRFLCLQDRKDFAPQEMVEGGQLQEAQAISVLHEM 60  
QY 61 LQOSFNLFYTHSSAAWDTTLLLEQLCTGLQOQLDHLDTCRGOVNGEEDSELGNMDPIVTV 120  
DB 61 LQOSFNLFYTHSSAAWDTTLLLEQLCTGLHQQDDLDLQACLGQVTGEEDSALGRGTPTLAM 120  
QY 121 KRYFGIYDYLOEKGYSDCAWEIVRVMEMRALTVSTTLQKRLTKMGDLNSP 171  
DB 121 KRYFGIHYLVKEKGYSDCAWEIVRLEIMRSLSSSTSLHKLRLMMDGLSSP 171

Db 121 RRYFGIRVYLKCKYSCAWEVVRMEIMKSLFLSTNNQERLRSKDRDLGS 171

## RESULT 15

US-09-919-622A-8  
; Sequence 8, Application US/09919622A  
; Patent No. US20020172660A1  
; GENERAL INFORMATION:  
; APPLICANT: Chen, Jian  
; APPLICANT: Godowski, Paul  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Dong-Xiao  
; TITLE OF INVENTION: HUMAN INTERFERON-EPSILON: A TYPE I INTERFERON  
; FILE REFERENCE: P12242C1 (replacement)  
; CURRENT APPLICATION NUMBER: US/09/919,622A  
; PRIOR FILING DATE: 2001-07-30  
; PRIOR APPLICATION NUMBER: US 09/202122,  
; PRIOR FILING DATE: 1999-03-04  
; PRIOR APPLICATION NUMBER: PCT/US98/25672  
; PRIOR FILING DATE: 1998-12-03  
; NUMBER OF SEQ ID NOS: 12  
; SEQ ID NO 8  
; LENGTH: 195  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-919-622A-8

Query Match 52.1%; Score 473; DB 9; Length 195;  
Best Local Similarity 55.6%; Pred. No. 1.le-42;  
Matches 95; Conservative 28; Mismatches 48; Indels 0; Gaps 0;  
QY 1 CYLSRKLMDARENKILDRMNLSPHSCLODRKDFGLPQEMVEGDQLQKDQAPFVLYEM 60  
Db 24 CDLPQNHGLLSRNTLVLLHQMRRISPFCLKDRDRFRFPQEMVKGSQLQKAHVMSVLHEM 83  
QY 61 LQQSFNLFYTEHSSAAWDTLLLEOLCTGLOQLDHLDTFCRGVVGGEEDSELGNMDPIVTV 120  
Db 84 LQQIFSLFHTERSAAWNTLLDQLHTGLHQLOHLETCLLQVVYGEESAGAISSPALTLL 143  
QY 121 KRYFGIYDYLOEKGYSACAEVVRVEMMRALTVSTTLQKRLTKMGGLNS 171  
Db 144 RRYFGIRVYLKCKYSCAWEVVRMEIMKSLFLSTNNQERLRSKDRDLGS 194

Search completed: April 9, 2003, 09:06:40  
Job time : 17 secs